ABSTRACT

Methods and apparatuses for obtaining delay, jitter, and loss statistics of a path between server and an end user coupled via an internetwork are described. The server may comprise a web server in communication with the end user via the Internet. Statistics are obtained by analyzing the details of a TCP connection underlying an HTML transaction. Robust measurements of jitter, delay, and loss are ensured by maximizing traffic between the web server and the surfer in order to generate a robust sample of TCP connections. Content may be updated with one or more html link(s). This existing content may reside on a highly trafficked portal, such as a web portal, and may be encoded in a markup language, such as Hyper Text Markup Language (HTML). The Uniform Resource Locators (URLs) corresponding to the one or more links resolve to the server from which the statistics are to be measured. The actual content supplied by the server may be minimized, in order to preserve bandwidth.